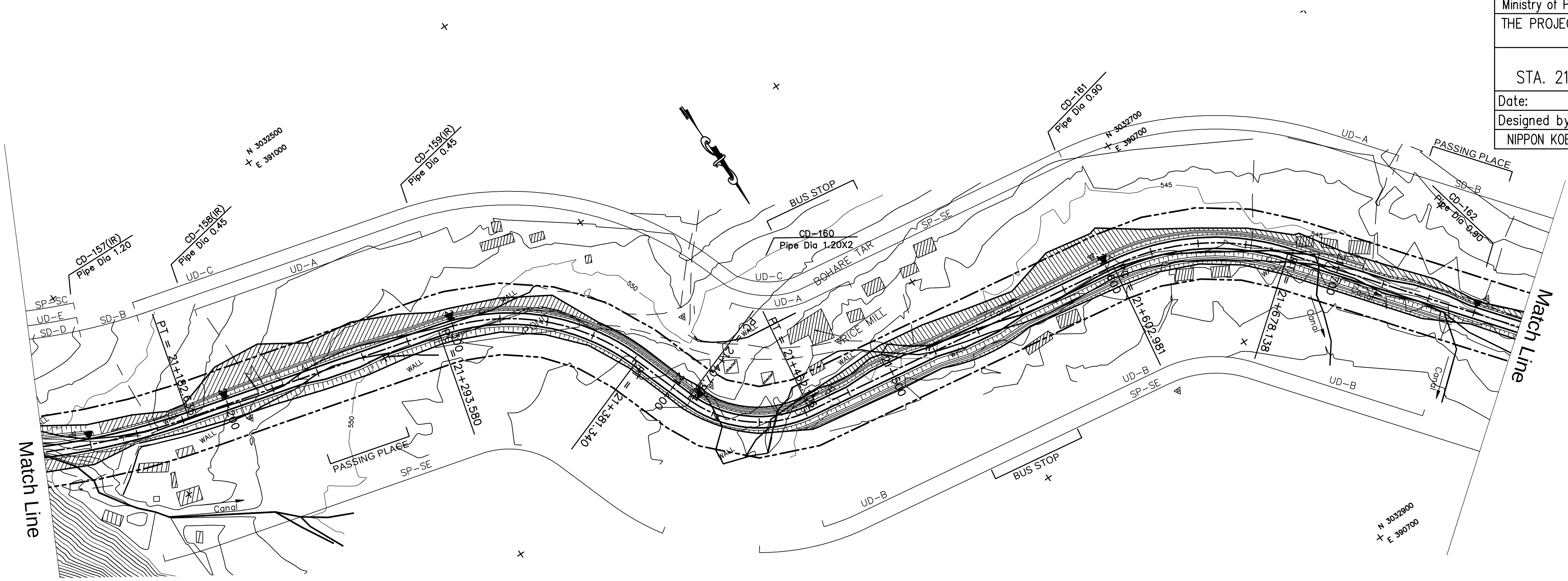
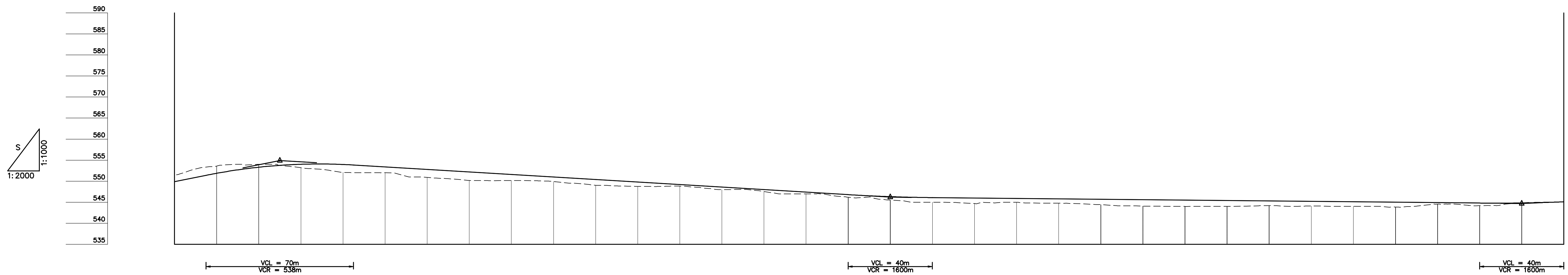
DEPARTMENT OF ROADS
Ministry of Physical Planning and Works, FDR/ Nepal

THE PROJECT FOR CONSTRUCTION OF SINDHULI ROAD
(Section III)

PLAN AND PROFILE STA. 21+120 – STA. 21+780	Drawing No. B-46
Date: July, 2009	Scale: 1:2000
Designed by: [signature]	Approved by:
NIPPON KOEI CO., LTD, Consulting Engineers, Japan	





GRADE: 10.000% L=169.000 | 554.900 21+170.000 | -3.000% L=290.000 | 546.200 21+460.000 | -0.500% L=300.000 | 544.700 21+760.000 | 2.000% L=110.000

STATION	21+120	21+140	21+160	21+180	21+200	21+220	21+240	21+260	21+280	21+300	21+320	21+340	21+360	21+380	21+400	21+420	21+440
PROPOSED HEIGHT	549.900	551.877	553.320	554.020	553.977	553.400	552.800	552.200	551.600	551.000	550.400	549.800	549.200	548.600	548.000	547.400	546.800
GROUND HEIGHT	551.398	553.581	554.000	553.198	552.068	551.999	550.891	550.190	550.156	549.923	549.019	548.775	548.821	548.006	547.553	547.000	546.191

STATION	21+460	21+480	21+500	21+520	21+540	21+560	21+580	21+600	21+620	21+640	21+660	21+680	21+700	21+720	21+740	21+760	21+780
PROPOSED HEIGHT	546.325	546.100	546.000	545.900	545.800	545.700	545.600	545.500	545.400	545.300	545.200	545.100	545.000	544.900	544.800	544.825	545.100
GROUND HEIGHT	545.504	545.000	544.691	545.000	544.768	544.424	544.081	543.997	544.013	544.176	544.105	544.000	543.840	544.545	544.197	544.829	545.068

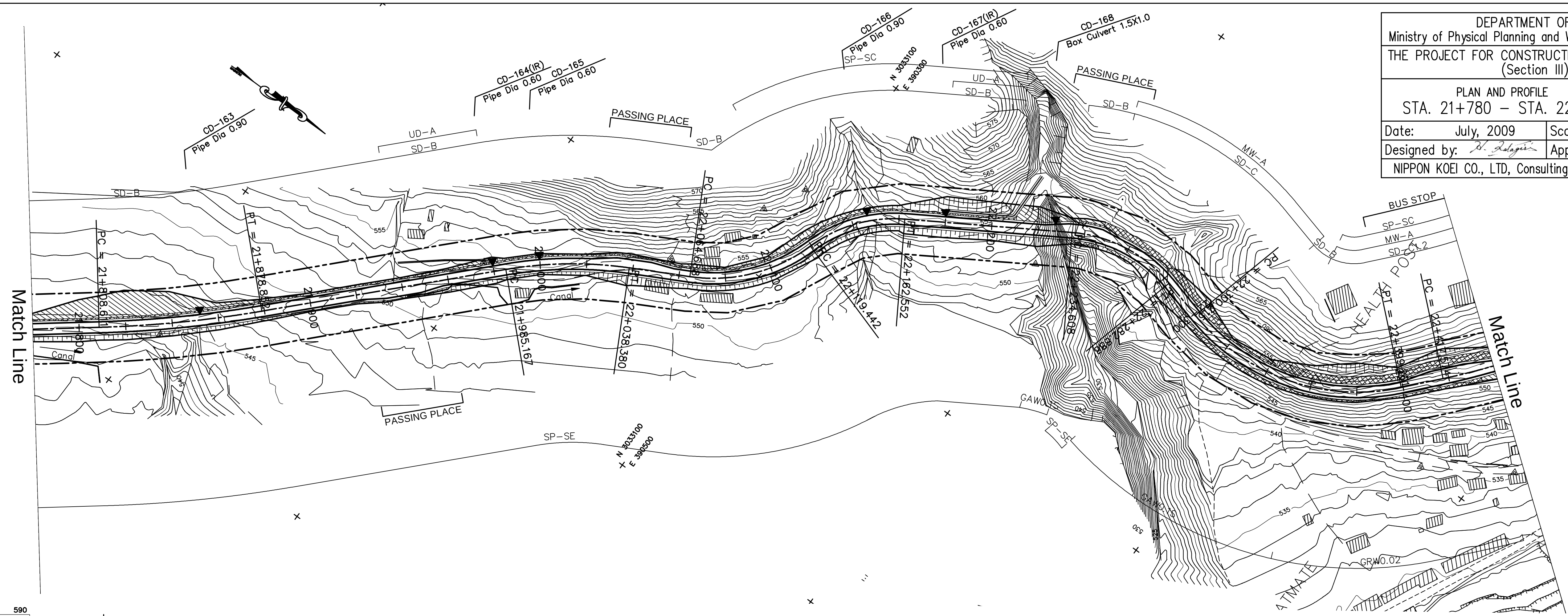
CURVE ELEMENT: R=300 L=92.696 | +182.635 | L=110.945 | +293.580 | R=90 L=87.760 | +381.340 | L=26.563 | +407.904 | R=50 L=54.202 | +462.106 | L=140.875 | +602.981 | R=100 L=75.157 | +678.138 | L=130.473

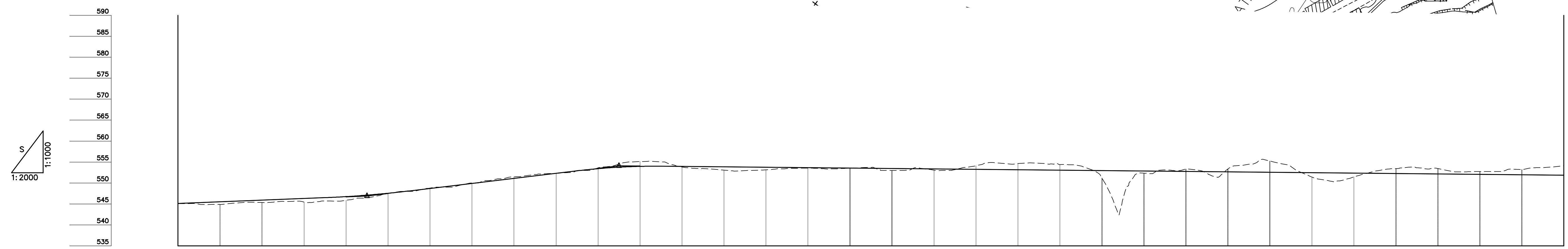
SUPER ELEVATION: —— Left, – – – Right; 2.5% | 2.5%

WIDENING: 1.25m | 1.75m | 1.75m | 1.25m

DESIGN SPEED: () Running speed — 30 Km/h(40 Km/h)

DEPARTMENT OF ROADS Ministry of Physical Planning and Works, FDR/ Nepal	
THE PROJECT FOR CONSTRUCTION OF SINDHULI ROAD (Section III)	
PLAN AND PROFILE STA. 21+780 – STA. 22+440	Drawing No. B-47
Date: July, 2009	Scale: 1:2000
Designed by: [signature]	Approved by:
NIPPON KOEI CO., LTD, Consulting Engineers, Japan	





VCL = 40m
VCR = 1600m

VCL = 40m
VCR = 1000m

VCL = 40m
VCR = 615m

GRADE: 544.700 (21+760.000) — 2.000% L=110.000 — 546.900 (21+870.000) — 6.000% L=120.000 — 554.100 (21+990.000) — −0.500% L=760.000

STATION	PROPOSED HEIGHT	GROUND HEIGHT
21+780	545.100	545.068
21+800	545.500	544.886
21+820	545.900	545.361
21+840	546.300	545.460
21+860	546.750	545.868
21+880	547.550	547.512
21+900	548.700	548.794
21+920	549.900	550.000
21+940	551.100	551.473
21+960	552.300	552.317
21+980	553.419	553.619
22+000	553.969	555.111
22+020	553.950	553.817
22+040	553.850	553.088
22+060	553.750	553.121
22+080	553.650	553.551
22+100	553.550	553.542
22+120	553.450	553.000
22+140	553.350	553.058
22+160	553.250	554.106
22+180	553.150	554.652
22+200	553.050	554.407
22+220	552.950	551.231
22+240	552.850	552.358
22+260	552.750	553.316
22+280	552.650	553.345
22+300	552.550	555.245
22+320	552.450	551.415
22+340	552.350	551.464
22+360	552.250	553.440
22+380	552.150	553.454
22+400	552.050	552.719
22+420	551.950	553.194
22+440	551.850	554.093

CURVE ELEMENT: L=130.473 — +808.611 — R=500 L=70.241 — +878.852 — L=106.315 — +985.167 — R=170 L=53.213 — +038.380 — L=26.308 — +064.688 — R=70 L=54.754 — +119.442 — R=60 L=43.110 — +162.552 — L=72.056 — +234.608 — R=60 L=48.280 — +282.888 — L=17.827 — +300.715 — R=90 L=98.486 — +399.201 — L=18.373 — +417.574 — R=300 L=83.615

SUPER ELEVATION: —— Left, – – – Right; 2.5% — 2.5%

WIDENING: 1.25m — 1.25m — 1.25m — 1.75m

DESIGN SPEED: () Running speed — 30 Km/h(40 Km/h)